Defect ID	Related test ID	Description	Actual Response Code	Details	Recommendation	Severity	Steps to Reproduce
DEF-001	API01	Token appears to be a valid JWT	200 OK	Test 'Token appears to be a valid JWT' failed for endpoint 'Login - Valid'	Ensure proper validation and error handling for 'token appears to be a valid jwt'	Low	1. Execute test case A01. 2. Send the request as defined in the test. 3. Observe that the actual behavior does not match the expected result.
DEF-002	API05	Should return 404 for non-existent resource	200 OK	Test 'Should return 404 for non-existent resource' failed for endpoint 'Get Product by ID - Before Create'	Ensure proper validation and error handling for 'should return 404 for non-existent resource'	Medium	1. Execute test case P01. 2. Send the request as defined in the test. 3. Observe that the actual behavior does not match the expected result.
DEF-003	API07	Should return error for duplicate ID	201 Created	Test 'Should return error for duplicate ID' failed for endpoint 'Create Product - Duplicate ID 1'	Ensure proper validation and error handling for 'should return error for duplicate id'	High	1. Execute test case P03. 2. Send the request as defined in the test. 3. Observe that the actual behavior does not match the expected result.
DEF-004	API08	Status code is client error for invalid ID	201 Created	Test 'Status code is client error for invalid ID' failed for endpoint 'Create Product - Invalid Negative ID'	Ensure proper validation and error handling for 'status code is client error for invalid id'	Medium	1. Execute test case P04. 2. Send the request as defined in the test. 3. Observe that the actual behavior does not match the expected result.
DEF-005	API08	Response should mention invalid or missing ID	201 Created	Test 'Response should mention invalid or missing ID' failed for endpoint 'Create Product - Invalid Negative ID'	Ensure proper validation and error handling for 'response should mention invalid or missing id'	Medium	1. Execute test case P04. 2. Send the request as defined in the test. 3. Observe that the actual behavior does not match the expected result.
DEF-006	API09	Status code is client error for invalid ID	201 Created	Test 'Status code is client error for invalid ID' failed for endpoint 'Create Product - Invalid 0 ID'	Ensure proper validation and error handling for 'status code is client error for invalid id'	Medium	1. Execute test case P05. 2. Send the request as defined in the test. 3. Observe that the actual behavior does not match the expected result.
DEF-007	API09	Response should mention invalid or missing ID	201 Created	Test 'Response should mention invalid or missing ID' failed for endpoint 'Create Product - Invalid 0 ID'	Ensure proper validation and error handling for 'response should mention invalid or missing id'	Medium	1. Execute test case P05. 2. Send the request as defined in the test. 3. Observe that the actual behavior does not match the expected result.
DEF-008	API14	Status code is 400	201 Created	Test 'Status code is 400' failed for endpoint 'Create Product - Missing Fields'	Ensure proper validation and error handling for 'status code is 400'	Medium	1. Execute test case P10. 2. Send the request as defined in the test. 3. Observe that the actual behavior does not match the expected result.
DEF-009	API16	Status code is 200	204 No Content	Test 'Status code is 200' failed for endpoint 'Update Product - Valid'	Ensure proper validation and error handling for 'status code is 200'	Medium	1. Execute test case P12. 2. Send the request as defined in the test. 3. Observe that the actual behavior does not match the expected result.
DEF-010	API17	Status code should be 400 or 422 if ID is being changed	204 No Content	Test 'Status code should be 400 or 422 if ID is being changed' failed for endpoint 'Update Product - Invalid Update ID'	Ensure proper validation and error handling for 'status code should be 400 or 422 if id is being changed'	Medium	1. Execute test case P13. 2. Send the request as defined in the test. 3. Observe that the actual behavior does not match the expected result.
DEF-011	API17	Error message should mention ID is immutable or cannot be changed	204 No Content	Test 'Error message should mention ID is immutable or cannot be changed' failed for endpoint 'Update Product - Invalid Update ID'	Ensure proper validation and error handling for 'error message should mention id is immutable or cannot be changed'	Medium	1. Execute test case P13. 2. Send the request as defined in the test. 3. Observe that the actual behavior does not match the expected result.
DEF-012	API22	Should return 404 for non-existent resource	200 OK	Test 'Should return 404 for non-existent resource' failed for endpoint 'Get Order by ID - Before Create'	Ensure proper validation and error handling for 'should return 404 for non-existent resource'	Medium	1. Execute test case O01. 2. Send the request as defined in the test. 3. Observe that the actual behavior does not match the expected result.
DEF-013	API24	Should return error for duplicate ID	201 Created	Test 'Should return error for duplicate ID' failed for endpoint 'Create Order - Duplicate ID 1'	Ensure proper validation and error handling for 'should return error for duplicate id'	High	1. Execute test case O03. 2. Send the request as defined in the test. 3. Observe that the actual behavior does not match the expected result.
DEF-014	API25	Status code is client error for invalid ID	201 Created	Test 'Status code is client error for invalid ID' failed for endpoint 'Create Order - Invalid Negative ID'	Ensure proper validation and error handling for 'status code is client error for invalid id'	Medium	1. Execute test case O04. 2. Send the request as defined in the test. 3. Observe that the actual behavior does not match the expected result.
DEF-015	API25	Response should mention invalid or missing ID	201 Created	Test 'Response should mention invalid or missing ID' failed for endpoint 'Create Order - Invalid Negative ID'	Ensure proper validation and error handling for 'response should mention invalid or missing id'	Medium	1. Execute test case O04. 2. Send the request as defined in the test. 3. Observe that the actual behavior does not match the expected result.
DEF-016	API26	Status code is client error for invalid ID	201 Created	Test 'Status code is client error for invalid ID' failed for endpoint 'Create Order - Invalid ID 0'	Ensure proper validation and error handling for 'status code is client error for invalid id'	Medium	1. Execute test case O05. 2. Send the request as defined in the test. 3. Observe that the actual behavior does not match the expected result.
DEF-017	API26	Response should mention invalid or missing ID	201 Created	Test 'Response should mention invalid or missing ID' failed for endpoint 'Create Order - Invalid ID 0'	Ensure proper validation and error handling for 'response should mention invalid or missing id'	Medium	1. Execute test case O05. 2. Send the request as defined in the test. 3. Observe that the actual behavior does not match the expected result.
DEF-018	API31	Status code is 400	201 Created	Test 'Status code is 400' failed for endpoint 'Create Order - Missing Fields'	Ensure proper validation and error handling for 'status code is 400'	Medium	1. Execute test case O10. 2. Send the request as defined in the test. 3. Observe that the actual behavior does not match the expected result.
DEF-019	API33	Status code is 200	204 No Content	Test 'Status code is 200' failed for endpoint 'Update Order - Valid'	Ensure proper validation and error handling for 'status code is 200'	Medium	1. Execute test case O12. 2. Send the request as defined in the test. 3. Observe that the actual behavior does not match the expected result.
DEF-020	API34	Status code should be 400 or 422 if ID is being changed	204 No Content	Test 'Status code should be 400 or 422 if ID is being changed' failed for endpoint 'Update Order - Invalid update ID'	Ensure proper validation and error handling for 'status code should be 400 or 422 if id is being changed'	Medium	1. Execute test case O13. 2. Send the request as defined in the test. 3. Observe that the actual behavior does not match the expected result.
DEF-021	API34	Error message should mention ID is immutable or cannot be changed	204 No Content	Test 'Error message should mention ID is immutable or cannot be changed' failed for endpoint 'Update Order - Invalid update ID'	Ensure proper validation and error handling for 'error message should mention id is immutable or cannot be changed'	Medium	1. Execute test case O13. 2. Send the request as defined in the test. 3. Observe that the actual behavior does not match the expected result.